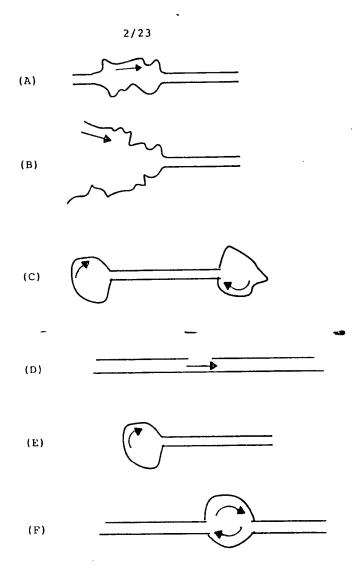


東京には大きなでは、10mmでは、東京は東京の東京は、10mmでは、1

Figure 1 (A-F)

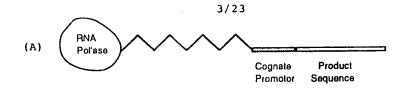
Construct Forms Comprising at Least one Single-Stranded Region

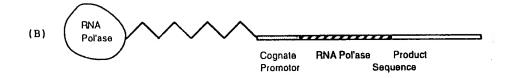


4年の発展機構を開発することのことは特別を指揮性機能とはできた。このことの対抗に対象のようの機能はなられているという。

Figure 2 (A-F)

Functional Forms of the Construct





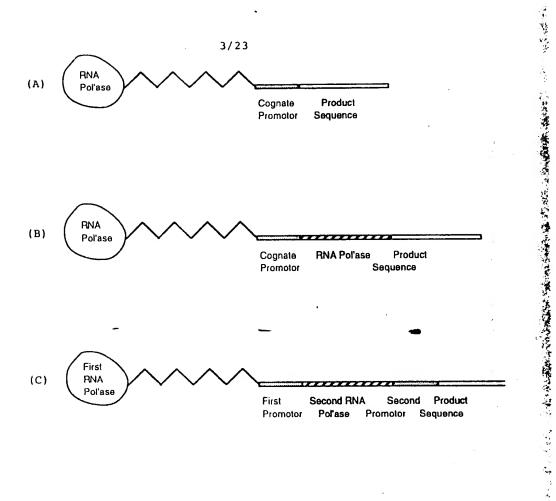


Figure 3 (A-C)

Three Constructs with an RNA Polymerase Covalently Attached to a Transcribing Cassette

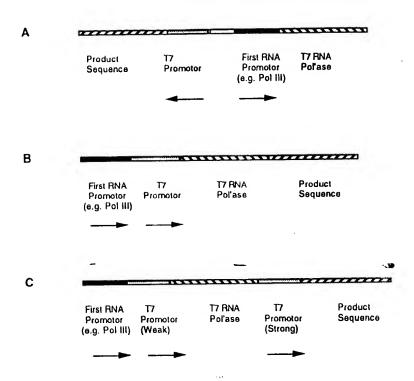


Figure 4 (A-C)

「海南」、一大東大学、海山大東西、

第八十二十五年 前二十五十五年 東京衛衛衛衛

Three Constructs with Promoters for Endogenous RNA Polymerase

M13mp18. Seq Length: 7250 AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTTCAG **AATGTATCTA** ATAGCTAAAC AGGITATIGA CCATTIGCGA AAATGAAAAT 51. OGTTOGCAGA ATTGGGAATC AACTGTTACA TAAATCTACT 101. ATGGTCAAAC **GTTGCATATT** TAAAACATGT COGTACTITA CTTOCAGACA TGGAATGAAA 151. AGCAATTAAG CTCTAAGCCA TOOGCAAAAA **TGAGCTACAG** CACCAGATTC 201 **TACTCTCTAA** TOCTGACCTG CAATTAAAGG TCAAAAGGAG **TGACCTCTTA** 251 GAAGCTOGAA TTAAAACGCG CTTCCCGCTCT GGTTCGCTTT TTGGAGTTTG 301. **TCTTTTTGAT** GCAATCCGCT TCTTTCGGGC TTCCTCTTAA **ATATTTGAAG** CAGGGTAAAG **ACCTGATTIT TGATTTATGG** CTATAATAGT TTGCTTCTGA 401. TTTGAGGGGG **GTTTAAAGCA ATTCAATGAA** TTTCTGAACT **TCATTCTCGT** 451. TATTGGACGC TATOCAGTCT AAACATTITA **TATTTATGAC** GATTCCCCAG 501. CAAAAGOCTC ACITCITTIG TOGCTATITT CTCTGGCAAA CTATTACCCC 551. TATGATAGTG TTGCTCTTAC AAAOGAGGGT GIOGICICGI **GGTTTTTATC** GITGAATGTG **GCCGTTATGT ATCTGCATTA AATTCCTTTT** TATGCCTCGT 651. CTACCTGTAA TAATGTTGTT **ATCTCAACTG ATGAATCTTT GTATTCCTAA** 701. **GTOCTGACTG GTTTTATTAA CGTAGATTTT** TCTTCCCAAC COGTTAGTTC **CCAGTTCTTA AAATOGCATA AGGTAATTCA** CAATGATTAA **GTATAATGAG TACTACTOGT** TCTGGTGTTC **AAGCCCAATT AAACCATCTC AGTTGAAATT** TACGTTGATT CACTGAATGA **CCACCTTTGT AAGCTTATT** TOGTCAGGGC **ATTACTCTTG** ATGAAGGTCA **ATATOCGGTT** CTTGTCGAAG TOGGTAATGA TCTTTCAAAG TGTACACCGT TCATCTGTCC 1001 GOCAGOCTAT **COCCUT CETT** GICIGOGOCT COTTOCCCCT **ATGATTGACC COGTITICATION** 1051 TTGGTCAGTT GAGCAGGTCG **CCCATTTCGA** CACAATTTAT 1101 AAGTAACATG TTGGTATAAT COCTREGERE CGTTGTACCTT TGTTTCGCCCC 1151 TACAAATCTC TGTTTAGTG TATTCTTTCG CCTCTTTCGT TTTAGGTTCG 1201 CAAAGATGAG

Figure 5

1251	TECCTTCGTA	GTGGCATTAC	GTATTTTACC	CCTTTAATCG	AAACTTOUTC
1301	ATGAAAAAGT	CTTTAGTCCT	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT
1351	TOOGATGCTG	TCTTTCGCTG	CTGAGGGTGA	OGATOCOGCA	AAAGOGGCCT
1401	TTAACTCCCT	GCAAGOCTCA	COCACCGAAT	ATATOGGTTA	TEOGTEGGGG
1451	ATGGTTGTTG	TCATTGTCGG	OGCAACTATC	GGTATCAAGC	TGTTTAAGAA
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GOCTOCTTTT
1551	GGAGCCTTTT	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA
1601	TTCCTTTAGT	таттостттс	TATTCTCACT	COCCTICANAC	TGTTGAAAGT
1651	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	TTTACTAACG	TCTGGAAAGA
1701	OGACAAAACT	TTAGATCGTT	ACCITAACTA	TGAGGGTTGT	CTGTGGAATG
1751	CTACAGGCGT	TGTAGTTTGT	ACTOGTGACG	AAACTCAGTG	TTACGGTACA
1801	TEGETTECTA	песеспес	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA
1851	GEGIGEOGGI	TOTGAGGGTG	GOOGTTCTGA	GGGTGGCGGT	ACTAAACCTC
1901	CTGAGTACGG	TGATACACCT	ATTOOGGGCT	ATACTTATAT	CAACCCTCTC
1951	GACGCCACTT	ATTOOGOCTOG	TACTGAGCAA	AACCOGCTA	ATOCTAATOC
2001	TTCTCTTGÃG	GAGTICTICAGC	CTCTTAATAC	TTTCATGTTT	CAGAATAA
2051	GGTTCCGAAA	TAGGCAGGGG	GCATTAACTG	TTTATACGGC	CACTGTTACT
2101	CAAGGCACTG	ACCOCCUTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGCCATG	TATGACGCTT	ACTEGAACEG	TAAATTCAGA	GACTECCECTT
2201	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGOCATG	TECCTCAACC	TOCTGTCAAT	ecteeseese	ecticiegieg
2201	TOCATTCTGG	CTTTAATCAA	GATOCATTOG	TTTGTGAATA	TCAAGGCCAA
2251	TOGTCTGACC	TGCCTCAACC	TOCTGTCAAT	GC1GGGGGGG	ectictegreg
2301	тесттется	GEOGRATICIG	AGGGTGGTGG	CTCTGAGGGT	GEOGETTICIE
2351	AGGGTGGCCGG	CTCTGAGGGA	CECCETTOCS	GIGGIGGCIC	тестпосест
240	GATTITGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA
245	1 AAATGOOGAT	GAAAAQGQGGC	TACAGTCTGA	COCTAMAGEC	AAACTTGATT
			-		

Figure 5

2501	CTGTCGCTAC	TGATTACGGT	CONTRACT	ATGGTTTCAT	TEGTGACGTT
2551	TOOGGOOTTG	CTAATGGTAA	TEGTECTACT	COTGATTTTC	CTGGCTCTAA
2601	TTOCCAAATG	CCTCAAGTOG	GTGACGGTGA	TAATTCACCT	TTAATGAATA
2651	ATTTCCGTCA	ATATTTACCT	TOOCTOOCTC	AATCOGTTGA	ATGTCGCCCT
2701	TTTGTCTTTA	COCCTOCTAA	ACCATATGAA	TTTCTATTG	ATTGTGACAA
2751	AATAAACTTA	TTCCGTCGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT
2801	TTATGTATGT	ATTTTCTACG	TTTGCTAACA	TACTGOGTAA	TAAGGAGTCT
2851	TTATCATGCC	AGTTCTTTTG	GGTATTCCGT	TATTATTGCG	THOCTOGGT
2901	ттесттстес	TAACTTTGTT	COOCTATCTG	CTTACTTTTC	TTAAAAAGGG
2951	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GITICITIGCT	CTTATTATTG
3001	GGCTTAACTC	AATTCTTGTG	G GTTATCTCT	CTGATATTAG	COCTCAATTA
3051	COCTCTGACT	TTGTTCAGGG	TGTTCAGTTA	ATTICTCCCCGT	CTAATGOGCT
3101	тссстаттт	TATGTTATTC	TCTCTGTAAA	GECTECTATT	TTCATTTTTG
3151	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	ATTGGGATAA	ATAATATGGC
3201	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TOGAMAGACG	CTOGTTAGOG
3251	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT
3301	CTTGATTTAA	GGCTTCAAAA	OCTIOCOGCAA	GTOGGGAGGT	TOGCTAAAAC
3351	COCTOCCOCTT	CTTAGAATAC	COGATA4CCC	TTCTATATCT	GATTTGCTTG
3401	CTATTGGGGG	COGTAATGAT	TOCTAGGAATO	AAAATAAAA É	COCCTTCCTT
345	GITCTOGATG	AGTGCGGTAC	TTGGTTTAAT	ACCOGNICT	GGAATGATAA
350	1 GGAAAGACAG	COGATTATTG	ATTGGTTTCT	ACTECTOST	AAATTAGGAT
355	1 GGGATATTAT	ппспсп	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG
360	1 OGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT
365	1 TACTITACCT	TTTGTCGGTA	CTTTATATTC	TCTTATTACT	GOCTOGAAAA
370	1 TEOCTICTECC	TAAATTACAT	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA
375	1 TTAAGCCCTA	CTGTTGAGOG	TTGGCTTTAT	ACTOGTAAGA	ATTTGTATAA
380	1 OGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	TOOGGIGITT

' Figure 5

					and the second second
3851	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GIOGGIATTI	CAAACCATTA
3901	AATTTAGGTC	AGAAGATGAA	ATTAACTAAA	ATAATATTGA	AAAAGTTTTC
3951	TOGOGTTCTT	TGTCTTGCCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT
4001	ATATAACCCA	ACCTAMENOG	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT
4051	GATTTTGATA	AATTCACTAT	TGACTCTTCT	CAGOGTICTTA	ATCTAAGCTA
4101	TOGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	AGOGACGATT
4151	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC
4201	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT
4251	TCTTGATGTT	TGTTTCATCA	тсптспппа	CTCAGGTAAT	TGAAATGAAT
4301	AATTOCCCTC	TGCGCGATTT	TGTAACTTGG	TATTCAAAGC	AATCAGGCGA
4351	AATCCGTTATT	GTTICTCCCCG	ATGTAAAAGG	TACTGTTACT	GTATATTCAT
4401	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	TGTTTTACGT
4451	GCTAATAATT	TTGATAATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA
4501	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC
4551	AGGAATATGA	TGATAATTCC	ectecttets	GIGGITICIT	TGTTCCGCAA
4601	AATGATAATG	TTACTCAAAC	TTTAAAATT	AATAACGTTC	GGGCAAAGEA
4651	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAA	GTCTAATACT	TCTAAATCCT
4701	CAAATGTATT	ATCTATTGAC	GECTICTAATIC	TATTAGTTGT	TAGTGCTCCT
4751	AAAGATATTT	TAGATAACCT	TOCTCAATTC	CTTTCTACTG	TTGATTTGCC
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG
4851	ATGCTTTAGA	TTTTCATTT	ectecteect	CTCAGOGTGG	CACTGTTGCA
4901	GGCGGTGTTA	ATACTGACOG	OCTCACCTCT	GTTTTATCTT	CIECTEGIEG
4951	TTOGTTOGGT	ATTTTTAATG	GOGATGTTTT	AGGGCTATCA	GTTCGCCCAT
5001	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	TATTCTTACG
5051	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT
5101	TAAAGACTAA	TAGOCATTCA	AAAATATTGT	CTGTGCCACG	TATTCTTACG
5151	CGATTGAGCG	TCAAAATGTA	GGTATTTCCA	TGAGCGITTT	TOCTGTTGCA

Figure 5

5201	ATEGCTEGECS -	GTAATATTGT	TCTGGATATT	ACCAGCAAGG	COGATAGTTT
5251	GAGTTCTCT	ACTCAGGCAA	GTGATGTTAT	TACTAATCAA	AGAAGTATTG
5301	CTACAACGGT	TAATTTGOGT	GATEGACAGA	CTCTTTTACT	COGTICOCCTC
5351	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGOGTACOGT	TOCTGTCTAA
5401	AATCCCTTTA	ATCOGCCTCC	TGTTTAGCTC	COECTICIGAT	TOCAACGAGG
5451	AAAGCACGTT	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	COCCTGTAG
5501	CCCCCCATTA	ACCOCCCCCCCC	GIGIGGIGGI	TACGCCCAGC	GTGACCGCTA
5551	CACTTGCCAG	COCCTACCG		тосстттстт	остостт
5601	CTOGOCAOGT	TOCOCCCCTT	TOCCOGTICAA	GCTCTAAATC	GEGGGETTOCC
5651	TITAGGGTTC	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAACTTG
5701	ATTTGGGTGA	TOGTTCACGT	AGT CCCCAT	COCCTGATA	GACGGTTTTT
5751	OG:CCTTTGA	OGTIGGAGTC	CACGITCITT	AATAGTGGAC	TCTTGTTCCA
5801	AACTGGAACA	ACACTCAACC	CTATCTOGGG	CTATTCTTTT	GATTTATAAG
5851	GGATTTTGCC	GATTTOGGAA	OCACCATICAA	ACAGGATTTT	COCCIOCIOC
5901	CCCAAACCAG	OGT(TY4000GC	TTGCTGCAAC	TCTCTCAGGG	CCAGGCGGTG
5951	AAGGGCAATC	AGCIGITIGOC	CETT COUNTY	GTGAAAAGAA	AAAOCAOOCT
6001	GGCGCCCAAT	ACCICAAACCG	CCTCTCCCCC	COCCTTOCCC	GATTCATTAA
6051	TECACCTECC	ACGACAGGTT	TOOOGACTEG	AAAGCCGGGCA	GTGAGCGCAA
6101	CCCAATTAAT	GTGAGTTAGC	TCACTCATTA	GGCACCCAG	OCTITACACT
6151	TTATGCTTCC	GGCTOSTATG	TIGIGIGGAA	TTGTGAGCGG	ATAACAATTT
6201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GAATTOGAGC	TOGGTACCOG
6251	GOGATOCTOT	AGAGTOGACC	TOCAGGCATG	CAAGCTTGGC	ACTEGEOCGTC
6301	GTTTTACAAC	GTOGTGACTG	GGAAAACCCT	COCOTTACCC	AACTTAATOG
6351	OCTTGCAGCA	CAATCCCCTT	TOGOCAGCTG	COCTAATACC	GAAGAGGCCC
6401	GCACOGATOG	COCTITOCCAA	CAGTTGCGCA	COCTGAATCG	CGAATGGCCC
6451	THECCIGGT.	TTCCCGCCACC	AGAAGCOGGTG	CCCGGAAAGCT	COCTICGAGTG
6501	CONTINUE	GAGGCCGATA	COGTICGTCCT	CCCTCAAAC	TEGECAGATEC

Figure 5

6551	ACCITTACCIA	TGOGGOCCATC	TACACCAACG	TAACCTATCC	CATTACGGTC
6601	AATCCCCCCTAA	TIGITICOCAC	GCAGAATOOG	ACCECTION	ACTOGCTCAC
6651	ATTTAATGTT	GATGAAAGCT	GGCTACAGGA	AGGCCAGACG	CGAATTATTT
6701	TTGATGGGGT	TOCTATTGGT	TAAAAAATGA	GCTGATTTAA	CAAAAATTTA
6751	ACGCGAATTT	TAACAAAATA	TTAACGTTTA	CAATTTAAAT	ATTTGCTTAT
6801	ACAATCTTCC	таптпесс	GCTTTTCTGA	TTATCAACCG	GGGTACATAT
6851	GATTGACATG	CTAGTTTTAC	GATTACCGTT	CATCGATTCT	спаптаст
6901	CCAGACTOTO	AGGICAATGAC	CTGATAGCCT	TTGTAGATCT	CTCAAAAATA
6951	GCTACCCTICT	COOGCATGAA	TITATCAGCT	AGAACGGTTG	AATATCATAT
7001	TGATGGTGAT	TTGACTGTCT	COCCCCTTTC	TCACCCTTTT	GAATCTTTAC
7051	CTACACATTA	CTCAGGCATT	GCATTTAAAA	TATATGAGGG	TTCTAAAAAT
7101	TITIATCCTT	COCTTGAMAT	AMAGGCTTCT	CCCCANANG	TATTACAGGG
7151	TCATAATGTT	TTTGGTACAA	COGATTTAGC	TTTATGCTCT	GAGGCTTTAT

Figure 5

COMPLEMENTARY TO M₁₃

POSITION 645	5' AGCAACACTATCATA	POSITION 631	M ₁₃ /1
615	ACGACGATAAAAACC	601	M ₁₃ /2
585	TTTTGCAAAAGAAGT	571	M ₁₃ /3
555	AATAGTAAAATGTTT	5 4 1	M ₁₃ /4
525	CAATACTGCGGAATG	5 1 1	M ₁₃ /5
495	TGAATCCCCCTCAAA	481	M ₁₃ /6
465	AGAAAACGAGAATGA	451	$M_{13}/7$
435	CAGGICTTTACCCTG	421	M ₁₃ /8
405	AGGAAAGOOGATTGC	391	M ₁₃ /9
375	AGGAAGOOOGAAAGA	361	M ₁₃ /10

COMPLEMENTARY TO SS PHAGE DNA

351 ATATTTGAAGTCTTT 366 M 13/11 371 TCTTTTTGATGCAAT 386 M 13/12 391 CTATAATACTCAGGG 406 M 13/13 411 TGATTTATGGTCATT 426 M 13/14 431 GTTTAAAGCATTTGA 446 M 13/15 451 TATTTATGACGATTC 466 M 13/16 471 TATCCAGTCTAAACA 486 M 13/16 491 CTCTGGCAAAACTTC 506 M 13/16 511 TCGCTATTTTGGTTT 526 M 13/16	POSITION	5' 3'	_	POSITION	· 🍅
391 CTATAATACTCAGGG 406 M13/13 411 TGATTTATGGTCATT 426 M13/14 431 GTTTAAAGCATTTGA 446 M13/15 451 TATTTATGACGATTC 466 M13/16 471 TATCCAGTCTAAACA 486 M13/17 491 CTCTGGCAAAACTTC 506 M13/18 511 TCGCTATTTTGGTTT 526 M13/18	351	•		366	M ₁₃ /11
411 TGATTTATGGTCATT 426 M13/14 431 GTTTAAAGCATTTGA 446 M13/15 451 TATTTATGACGATTC 466 M13/16 471 TATCCAGTCTAAACA 486 M13/17 491 CTCTGGCAAAACTTC 506 M13/18 511 TCGCTATTTTGGTTT 526 M13/18	371	TCTTTTTGATGCAAT		386	M ₁₃ /12
431 GTTTAAAGCATTTGA 446 M13/15 451 TATTTATGACGATTC 466 M13/16 471 TATCCAGTCTAAACA 486 M13/17 491 CTCTGGCAAAACTTC 506 M13/16 511 TCGCTATTTTGGTTT 526 M13/16	391	CTATAATACTCAGGG		406	M ₁₃ /13
451 TATTTATGACGATTC 466 M ₁₃ /16 471 TATCCAGTCTAAACA 486 M ₁₃ /17 491 CTCTGGCAAAACTTC 506 M ₁₃ /18 511 TCGCTATTTTGGTTT 526 M ₁₃ /18	411	TGATTTATGGTCATT		426	M ₁₃ /14
471 TATCCAGTCTAAACA 486 M ₁₃ /17 491 CTCTGGCAAAACTTC 506 M ₁₃ /18 511 TCGCTATTTTGGTTT 526 M ₁₃ /18	431	GTTTAAAGCATTTGA		446	M ₁₃ /15
491 CTCTGGCAAAACTTC 506 M ₁₃ /18 511 TCGCTATTTTGGTTT 526 M ₁₃ /18	451	TATTTATGACGATTC		466	M ₁₃ /16
511 TCGCTATTTTGGTTT 526 M ₁₃ /19	471	TATOCAGTCTAAACA		486	M ₁₃ /17
•	491	CTCTGGCAAAACTTC		506	M ₁₃ /18
531 AAAOGAGGGTTATGA 546 M 13/20	511	TCGCTATTTTGGTTT		526	M ₁₃ /19
	531	AAAOGAGGGTTATGA		546	M _{13/2} 0

Figure 6

Primers for Nucleic Acid Production
Derived from M13mp18 Sequence

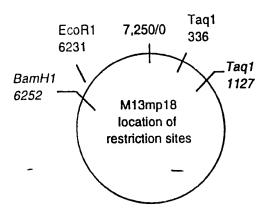


Figure 7

Appropriate M13mp18 Restriction Sites



Lane 1: from calf thymus + Taq digested mp18 amplification reaction

Lane 2: from Taq digested mp18 amplification reaction

Lane 3: from calf thymus amplification reaction

Lane 4: øX174 Hinf1 size marker

Figure 8

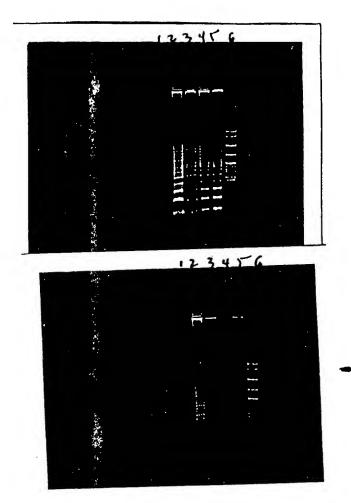


Lane 1: no template

Lane 2: mp18 template, phosphate buffer

Lane 3: Mspl/pBR322 size marker Lane 4: mp18 template, MOPS buffer

Figure 9



これには、日本の大名のあると、明しまるでは大きな事であるといると

Top= (+) Template
Bottom= (-) Template

Lane 1: phosphate buffer

Lane 2: MES Lane 3: MOPS Lane 4: DMAB Lane 5: DMG

Lane 6: pBR322/Mspl size marker

Figure 10



の主要をはなるとは、一般のでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、ないのでは、

Lane 1: DMAB buffer, no template

Lane 2: DMAB buffer, mp18 template

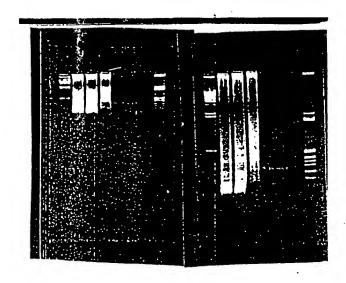
Lane 3: DMG buffer, no template

Lane 4: DMG buffer, mp18 template

Lane 5: No reaction

Lane 6: 200 ng Taq I digested mp18 size marker/positive control

Figure 11



First Time Interval Second Time Interval

Agarose Gel Analysis

Lane 1: lambda Hind III marker

Lane 2: Amp/Untreated

Lane 3: Amp/Kinased

Lane 4: Amp/Kinased/Ligated

Lane 5: PCR/Untreated

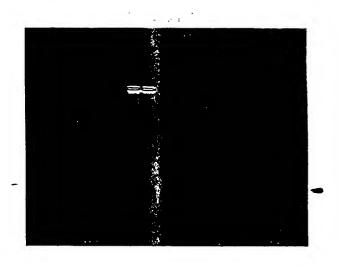
Lane 6: PCR/Kinased

Lane 7: PCR/Kinased/Ligated

Lane 8: øX174/Hinf1 marker

Figure 12

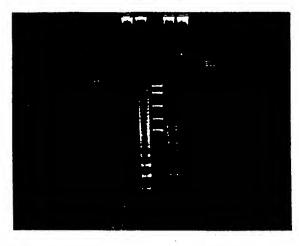
· 英語とは、本語によることを表現して、本語の



いっては一大きのでは、日本のでは、

Figure 13

1 2 3 4 5 6



Lane 1: Primers alone

Lane 2: Primers + taq digested M13 DNA

Lane 3: Molecular weight markers

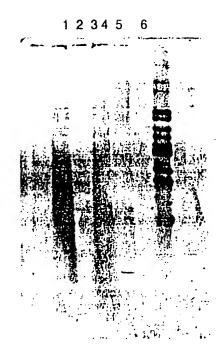
Lane 4: Primers + RNA

Lane 5: Primers alone

Lane 6: M13 digested DNA

Buffer was dimethyl amino glycine, pH 8.6

Figure 14



Lane 1: Primers alone

Lane 2: Primers + taq digested M13 DNA

Lane 3: Molecular weight markers

Lane 4: Primers + RNA Lane 5: Primers alone

Lane 6: M13 digested DNA

Buffer was dimethyl amino glycine, pH 8.6

Figure 15

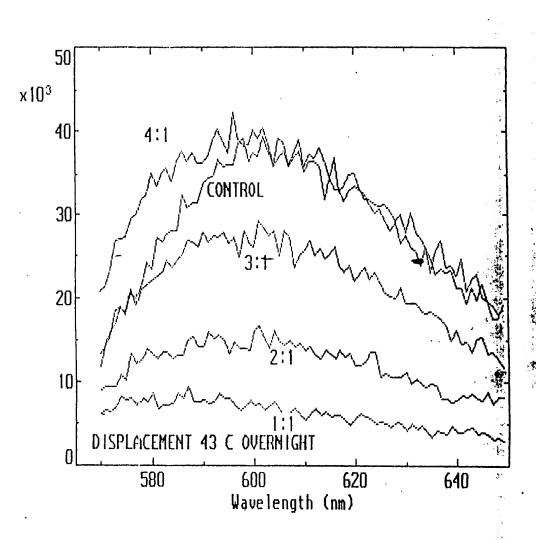


Figure 16

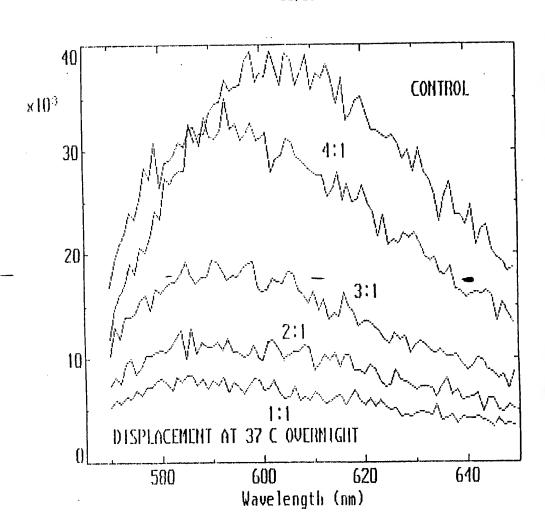


Figure 17

pIBI 31-BH5-2

fmet AUG of Lac z [T7 Promotor region.... LAC PROMOTOR.ATG ACC ATG ATT ACG CCA GAT ATC AAA TTA ATA CGA CTC ACT ATA

oligo 50-mer

3'- tac t'aa t'gc ggt' ct'a t'ag t'Vt aat' tat' gct' gag t'ga t'at' c-5'
10 base insert

T7 RNA Start («« T3 Promotor Region)
IGGG CTC ICCT TTA GTG ACG GTT AAT
....») «- T3 Start Signal

pIBI 31 BSII/HCV

("- T7 Promotor Region)

MULTIPLE CLONING SITE + 390 BASE INSERT CTA /TAG TGA GTC CGT ATT AAT....

"- T7 Start Signal

5'-ct*a t*ag t*ga gt*c gt*a tt*a at*......